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IN REPLY
  REFER TO

DSCC-VAT (Mr. Ebert / DSN 850-0729, [614]692-0729 / eugene.ebert@dla.mil)

MEMORANDUM FOR MILITARY AND INDUSTRY DISTRIBUTION   6 April 2004

SUBJECT: Comments on Initial Draft of MIL-PRF-83446C
            Project Number 5950-1178

   A copy of comments received on the initial draft of MIL-PRF-83446C are attached. These comments are being sent only to those industry and military organizations which have supplied comments to the draft or have indicated an interest in reviewing the comments.

   Each comment has been recommended for acceptance or non-acceptance with reason.

   A copy of the comments along with the Initial Draft of MIL-PRF-83446C can be viewed or downloaded from the DSCC web site:
                        http://www.dscc.dla.mil/programs/milspec/

   Please review the recommended disposition for the comments and submit any corrections or notes to Gene Ebert by COD 6 May 2004.

   Point of contact for this issue is Mr. Gene Ebert, 614-692-0729, fascimile 614-692-6939, email mailto:eugene.ebert@dla.mil.

   Thank you for your time in reviewing these comments.

                                                    /S/

                                        KENDALL A. COTTONGIM
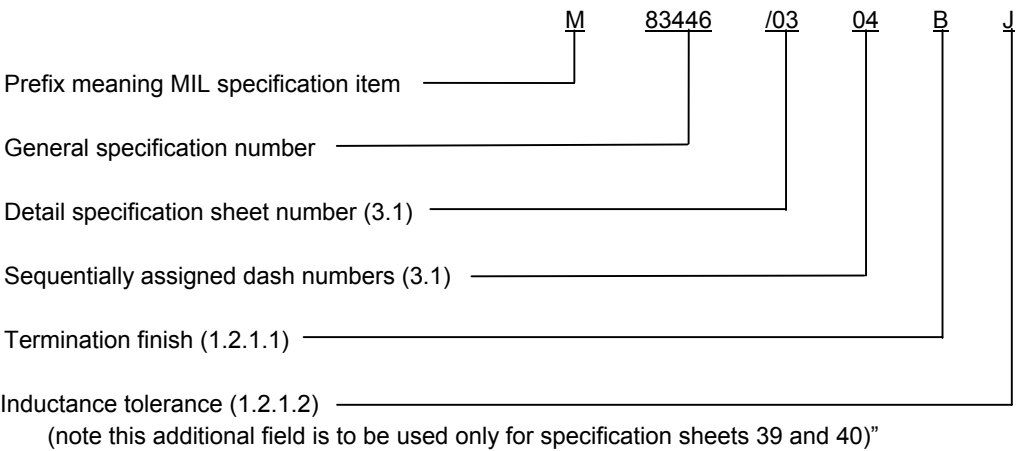   Chief
                                        Electronics Components Team

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PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 1
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC
Page 1, paragraph 1.2.1, add dash ("-") between the /03 and the 04 (as listed).		

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED
RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason) [ ] WITHDRAW [ ] MODIFY [ ] DISCUSS			
FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY			

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 2
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan and Hytronics Corporation	[X] MFR [ ] USER [ ] IND ASSOC
Page 2, TABLE I Termination Finish, column 2 heading "Finial" should be "Final"		

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED
RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason) [ ] WITHDRAW [ ] MODIFY [ ] DISCUSS			
FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY			

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 3
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: DSCC	[X] MFR [ ] USER [ ] IND ASSOC

Page 2, paragraph 1.2.1, to conform with the two new specification sheets (MIL-PRF-83446/39 and /40) being developed, add inductance tolerance as another single letter to the PIN per table II. Delete paragraph 1.2.1 and insert the following:

"1.2.1 <u>Part or Identifying Number (PIN)</u>. The PIN is in the following form, and as specified (see 3.1 and 6.2).

<div align="center">

M   83446   /03   04   B   J

</div>

Prefix meaning MIL specification item ────

General specification number ────

Detail specification sheet number (3.1) ────

Sequentially assigned dash numbers (3.1) ────

Termination finish (1.2.1.1) ────

Inductance tolerance (1.2.1.2) ────
   (note this additional field is to be used only for specification sheets 39 and 40)"

Also on page 2, add new paragraph "1.2.1.2 <u>Inductance tolerance</u>. The inductance tolerance is identified by a single letter in accordance with table II.

<div align="center">

TABLE II. <u>Inductance tolerance</u>.

Symbol	Tolerance (percent)
J	±20
K	±10
L	±5
M	±3
N	±2
O	±1

</div>
"

Note with the addition of this paragraph, tables II thru IV and their references will have to be renumbered.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW [ ] MODIFY [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 4
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: Army CR	[ ] MFR [X] USER [ ] IND ASSOC

Page 2, paragraph 2.3, Delete ANSI/J-STD-006. Reason: The document is only found in paragraph 6.8. Per paragraph 5.7.1 of MIL-STD-961E, only documents found in sections 3, 4 and 5 shall be listed in section 2. Documents in section 6 cannot be requirements.

DoD USE ONLY	DEPARTMENT:	[X] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
   [ ] WITHDRAW   [ ] MODIFY   [X] DISCUSS "

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 5
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 2, TABLE I Termination Finish, suggest deleting the row "C   Tin plated   Solderable". Justification, per paragraph 3.4.6 use of tin that does not contain lead is prohibited.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
   [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Change "C   Tin plated   Solderable" to "C   Tin plated 1/   Solderable" also below TABLE I add the following, "1/ Tin plating must meet the requirements of paragraph 3.4.6".

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 6
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 3, paragraph 3.2 "(see 4.3..." should be "(see 4.4…".

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
   [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 7
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: Army CR	[ ] MFR [X] USER [ ] IND ASSOC

Page 3, paragraph 3.4.1, the reference to paragraph 6.4 in the last sentence attempts to make section 6 paragraph a requirement. If information in paragraph 6.4 is to be a requirement, it must be brought into section 3 or 4 of the specification per MIL-STD-961E.

DoD USE ONLY	DEPARTMENT:	[X] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
[ ] WITHDRAW [ ] MODIFY [X] DISCUSS Change "…specified herein (see 6.4)." to "…specified herein. See 6.4 for guidance in metallized terminations."

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 8
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 4, paragraph 3.10.1, suggest adding "effective" prior to the word "inductance" in both places in this section to match referenced section 4.6.7.1 terminology.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
[ ] WITHDRAW [ ] MODIFY [ ] DISCUSS Page 17, paragraph 4.6.7.1.2, remove "Effective" from title of paragraph.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 9
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 6, paragraph 3.21 suggest changing example of PIN to: "M83446/01-12B" to match the format for the PIN in section 1.2.1.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
[ ] WITHDRAW [ ] MODIFY [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 10
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 6, paragraph 3.21 suggest changing example "12345" from "Manufacturer's source code" to "CAGE code". Also change last sentence "The manufacturer's source code…." to "The CAGE code….". to match QPL-83446-34.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 11
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: DSCC	[ ] MFR [X] USER [ ] IND ASSOC

Page 6, paragraph 3.21, example of date code marking is old and unclear.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [X] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Change "6730A……………Date code and symbol" to "0219B……………Date code and symbol".

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 12
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 6, paragraph 4.1 Suggest reinstatement of "Responsibility for Inspection". Paragraph 4.1 Responsibility for Inspection was in revision B of MIL-PRF-83446.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Per MIL-STD-961E, paragraph 5.9.1, "…This section shall not include quality requirements that belong in the contract, such as responsibility for inspection…".

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 13
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 9, paragraph 4.4.4a, suggest deleting reference to "Group B". Group B inspection was deleted per amendment 5

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW [ ] MODIFY [ ] DISCUSS Change paragraph 4.4.4a from "…, groups A and B." to "…, group A."

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 14
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 9, paragraph 4.4.4, suggest changing last sentence from "…product from each type, grade, or class,…." to "product from each specification sheet,…". Justification, MIL-PRF-83446C does not have types, grades, or classes.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW [ ] MODIFY [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 15
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 10, TABLE II, Group I: Suggest moving the paragraph number (4.6.7) under the heading "Method paragraph" for the inspection of "Electrical Characteristics (initial)" to the same line of text as the corresponding paragraph number (3.10) listed under the heading "Requirement paragraph". Justification: To maintain consistent format.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW [ ] MODIFY [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 16
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 10, TABLE II, Group II: Suggest under the heading "Inspection", delete the inspection identified as "Electrical characteristics (final)" and delete the corresponding paragraph numbers listed under the headings "Requirement paragraph" and "Method paragraph (3.10 and 4.6.7) Justification: The requirements for the measurement of "Electrical Characteristics" (final) are already specified in the preceding inspection ("Life").

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Since neither paragraph 4.6.9 of MIL-PRF-83446 or MIL-STD-202 method 208 specify electrical characteristic tests to the detail of MIL-PRF-83446 paragraph 4.6.7, no change will be made.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 17
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 10, TABLE II, Group IV: Suggest under heading "Inspection", insert as the very first Inspection "Electrical characteristics (initial on test substrates)". Also insert the corresponding paragraph numbers that should be listed under the heading "Requirement paragraph" and "Method paragraph (3.10 and 4.6.7). Under the heading "Inspection", change "Electrical Characteristics (final)" to "Electrical characteristics (final on test substrates)" Justification: Surface mount products are not designed for easy mount/dismount once the product has been soldered to a circuit board, test substrate, etc. Since each inspection in Group IV other than "Electrical characteristics (final)" requires samples to be soldered to a test substrate, then the degradation limit requirements specified in "Electrical characteristics (final)" section of the applicable specification sheet should be based on measurements made on test substrates.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Electrical characteristics (initial) are performed as part of Group I on all samples per paragraph 4.6.7, "The coils shall be mounted by their normal mounting means…". Also as the final test in group IV same test is performed as Electrical characteristics (final) per the same paragraph (4.6.7).

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 18
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

    Page 10, TABLE II, Group V: Suggest under heading "Inspection", insert as the very first Inspection "Electrical characteristics (initial on test substrates)". Under this inspection, insert and indent "Inductance" and insert and indent "Q". Also insert the corresponding paragraph numbers that should be listed under the heading "Requirement paragraph" and "Method paragraph (3.10.1 and 4.6.7.1 for Inductance and 3.10.2 and 4.6.7.2 for Q). Under the heading "Inspection", change "Electrical Characteristics (final)" to "Electrical characteristics (final on test substrates)" Justification: Surface mount products are not designed for easy mount/dismount once the product has been soldered to a circuit board, test substrate, etc. Since each inspection in Group V other than "Electrical characteristics (final)" requires samples to be soldered to a test substrate, then the degradation limit requirements specified in "Electrical characteristics (final)" section of the applicable specification sheet should be based on measurements made on test substrates.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
      [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Electrical characteristics (initial) are performed as part of Group I on all samples per paragraph 4.6.7, "The coils shall be mounted by their normal mounting means…". As the final test in group V Electrical characteristics (final) for Inductance and Q are performed again. TABLE II reference to 3.10 and 4.6.7 will be changed to 3.10.1 and 4.6.7.1 respectively

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 19
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

    Page 10, TABLE II, Group V: Suggest changing Inductance Requirement paragraph from: "3.10", to: "3.10.1" and Method paragraph from: "4.6.7", to: " 4.6.7.1". Justification: When electrical tests are listed individually and not as part of the group within electrical characteristics (e.g., "Electrical characteristics (initial)", the specific paragraph numbers for requirements and methods associated with a particular test should be listed. To be consistent with the entries for Q (next line).

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
      [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	COMPILATION OF COMMENTS	COMMENT NUMBER 20
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC
Page 11, paragraph 4.5.1: Suggest deleting reference to "Group B". Justification: Group B Inspection has been deleted per amendment 5.		

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
      [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	COMPILATION OF COMMENTS	COMMENT NUMBER 21
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC
Page 11, paragraph 4.5.1.2.1: Suggest changing the first sentence, first line, the phrase "….if over 10 percent of the coils be discarded……" , should be changed to: "….if over 10 percent of the coils be discarded for a nonresonant (open circuit or Q below limit)…". Justification: Acceptable pieces from lots with a high percentage of parametric rejects (low inductance and high inductance) would not be considered unreliable as the inductance value of the device tends not be affected by customer processing.		

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
      [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Under certain conditions, this change could permit acceptance of non-conforming product, therefore no change will be made.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 22
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 11, TABLE III, Group A inspection, Subgroup I; Suggest changing Inductance Requirement paragraph from: " 3.10", to: "3.10.1" and Method paragraph from: "4.6.7", to: " 4.6.7.1". Suggest changing the Q Requirement paragraph from: "3.10", to: " 3.10.2". Justification: When electrical tests are listed individually and not as part of the group within electrical characteristics (e.g., "Electrical characteristics (initial)", the specific paragraph numbers for requirements and methods associated with a particular test should be listed. To be consistent with the entries for Q (next line).

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 23
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 11, TABLE III, Subgroup II; Suggest changing as follows: Self Resonant Frequency from: " 3.10" to: " 3.10.3 and from: "4.6.7" to: "4.6.7.3" DC Resistance from: "3.10" to: "3.10.4 and from: " 4.6.7" to: " 4.6.7.4". Justification: When electrical tests are listed individually and not as part of the group within electrical characteristics (e.g., "Electrical characteristics (initial)", the specific paragraph numbers for requirements and methods associated with a particular test should be listed

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Note, similar changes will be made to DC resistance, Percent coupling, Incremental current inductance charge, and Effective parallel resistance,.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 24
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 11, TABLE III, Subgroup II: Suggest deleting "Percent Coupling" and "Incremental Current Inductance Charge" and Effective Parallel Resistance". Delete corresponding "Requirement paragraphs" an "Method paragraphs". Justification: These parameters are a function of design rather than process and do not need to be verified on a lot-by-lot basis. Verification on a periodic basis through Group C Inspection is sufficient.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Even though this parameter is controlled through design, variations in processes can have an adverse effect. If you feel further consideration is warranted please provide data.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 25
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: Army CR	[ ] MFR [X] USER [ ] IND ASSOC

Page 12, TABLE IV includes several breaks that are not necessary. For example, for lot sizes 1 to 13, there need only be one grouping (1 to 13), not 2. Also, from a lot size of 14 to 150, the number of samples are the same.

DoD USE ONLY	DEPARTMENT:	[X] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Delete Table IV and insert the following table IV

"

Lot size	Group A	
	Subgroup I	Subgroup II
1 to 13	100 percent	100 percent
14 to 150	100 percent	13
151 to 280	100 percent	20
281 to 500	100 percent	29
501 to 1,200	100 percent	34
1,201 to 3,200	100 percent	42
3,201 to 10,000	100 percent	50
10,001 to 35,000	100 percent	60
35,001 to 150,000	100 percent	74
150,001 to 500,000	100 percent	90
500,001 and over	100 percent	102

"

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 26
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 12, TABLE IV: Under the heading "Subgroup II", suggest changing the sample size for the corresponding lot sizes as shown below:

Lot Size	Sample Size
14 to 50	5
51 to 90	5
91 to 150	5
151 to 280	13
281 to 500	13
501 to 1200	13
1201 to 3200	20

Justification: Reduction in sample size is justified due to the rare occurrences of lot rejection caused by Subgroup II failures.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
      [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Per above comment, add the above as TABLE IV-a.
Also add the following to the end of paragraph 4.5.1.12.1 "If the manufacturer can demonstrate that the group A inspections have been performed 5 consecutive times with zero failures, the subgroup II sampling plan, with the approval of the qualifying activity can be reduced to the requirements of TABLE IV-a. If the design, material, construction, or process of the part is changed or, if there are any quality problems or failures, the qualifying activity may require the resumption of the original sample size."

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 27
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 12, paragraph 4.5.2.1.1.1 Monthly (subgroup I), also page 13 TABLE V subgroup I: Suggest changing interval specified from: "Monthly" to "Quarterly" ("Every month….", to "Every 3 months…."). Justification: Bond Strength test, like solderability test (subgroup I) are more a function of terminal design rather than process variation and needs to be verified on a quarterly basis (NOTE: Solderability is also inspected on a quarterly basis).

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
      [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS A reduction in interval will not be made without documented justification. API Delevan is invited to submit documentation for evaluation and possible action on a future document revision.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 28
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 12, paragraph 4.5.2.1.1.2 Quarterly (subgroup II): Suggest changing interval specified from: "Quarterly" to "Semiannually" ("Every 3 months….", to "Every 6 months…."). Justification: Sampling plan should be relaxed as designs and processes have been stable. Maintenance history suggests a looser sampling plan would not affect product reliability.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS A reduction in interval will not be made without documented justification. API Delevan is invited to submit documentation for evaluation and action on a future document revision.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 29
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 12, paragraph 4.5.2.1.1.2 Quarterly (subgroup II): Suggest changing first sentence to read as follows: "Every 6 months, 12 sample units of any inductance value shall be inspected." Justification: It is rare that the highest and lowest inductance value of a specification sheet are in production during the same period. Over time, selection of a single inductance value would provide maintenance data cross the entire range of the specification sheet.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS A reduction in interval will not be made without documented justification. API Delevan is invited to submit documentation for evaluation and action on a future document revision.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 30
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 12, paragraph 4.5.2.1.1.4 Semiannually (subgroup IV): Suggest changing first sentence to read as follows: "Every 6 months, 6 sample units of any inductance value shall be inspected." Justification: It is rare that the highest and lowest inductance value of a specification sheet are in production during the same period. Over time, selection of a single inductance value would provide maintenance data cross the entire range of the specification sheet.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
　　　[ ] WITHDRAW　　[ ] MODIFY　　[ ] DISCUSS A reduction in interval will not be made without documented justification. API Delevan is invited to submit documentation for evaluation and action on a future document revision.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 31
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 12 paragraph titled, "Disposition of Sample Units" is missing from Revision. C., suggest reinstating it. Justification: The paragraph was 4.5.2.1.2 in Revision B of MIL-PRF-83446.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
　　　[ ] WITHDRAW　　[ ] MODIFY　　[ ] DISCUSS Insert the following paragraph "4.5.2.1.2 Disposition of sample units. Sample units which have been subjected to group C inspection shall not be delivered on the contract or purchase order."

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 32
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC
Page 13, TABLE V, Subgroup I: Suggest changing from: "Monthly", to: "Quarterly". Justification: Bond strength test, like solderability test (subgroup I) is more a function of terminal design rather than process variation and needs to be verified in a quarterly basis (NOTE: Solderability is also inspected on a quarterly basis).		

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
       [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS A reduction in interval will not be made without documented justification. API Delevan is invited to submit documentation for evaluation and action on a future document revision.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 33
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC
Page 13, TABLE V, Subgroup II: Suggest changing from: "Quarterly", to: " Semiannually" Justification: Sampling plan should be relaxed as designs and processes have been stable. Maintenance history suggests a looser sampling plan would not affect product reliability		

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
       [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS A reduction in interval will not be made without documented justification. API Delevan is invited to submit documentation for evaluation and action on a future document revision.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 34
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 13, TABLE V, Subgroup II: Suggest under heading "Inspection", inserting the inspection "Electrical characteristics (initial on test substrates)" after inspection, "Electrical characteristics (initial)". Also insert the corresponding paragraph numbers that should be listed under the heading "Requirement paragraph" and "Method paragraph (3.10 and 4.6.7). Under the heading "Inspection", suggest changing (in two places) "Electrical characteristics (final)" to "Electrical characteristics (final on test substrates)" Justification: Surface mount products are not designed for easy mount & dismount once the product has been soldered to a circuit board or test substrate.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS TABLE V, subgroup II already includes Electrical characteristics (initial) performed on all twelve samples per paragraph 4.6.7, "The coils shall be mounted by their normal mounting means…". After Moisture resistance Inductance (4.6.7.1) and Q (4.6.7.2) are rechecked and after High-temperature exposure Electrical characteristics (final) are rechecked (4.6.7).

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 35
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 13, TABLE V, Subgroup II: Suggest under heading "Requirement paragraph", changing the paragraph number for the inspection "Electrical characteristics (final) – Inductance" from 3.10 to 3.10.1. Under the heading "Method paragraph", suggest changing the paragraph number for the inspection "Electrical characteristics (final) – Inductance" from 4.6.7 to 4.6.7.1. Under the heading "Requirement paragraph", suggest changing the paragraph number for the inspection "Electrical characteristics (final) –Q" from 3.10 to 3.10.2. Justification: When electrical tests are listed individually and not as part of the group within electrical characteristics (e.g., "Electrical characteristics (initial)", the specific paragraph numbers for requirements and methods associated with a particular test should be listed. To be consistent with the entries for Q (next line).

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 36
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 13, paragraph 4.5.2.1.3: In the first sentence, "If a sample fails…"; API suggests changing to: "If failures occur greater than the number of failures permitted". Justification: A failure is allowed in Subgroups II and IV.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Statement addresses Group C inspection as a whole, not as individual tests

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 37
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 13, paragraph 4.5.2.1.3: The term "cognizant inspection activity" is not explained. Suggest changing to "DCAS". Justification: Clarify requirements.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Because the "…cognizant inspection activity…" can change, a specific name is not specified. Note: the current DLA activity is Defense Contract Management Agency DCMA.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 38
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 13, paragraph 4.5.2.1.3   Suggest deleting reference to "Group B". Justification: Group B Inspection has been deleted per amendment 5.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 39
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: Army CR	[ ] MFR [X] USER [ ] IND ASSOC

Page 13, delete paragraph 4.5.3. This paragraph is not relevant because paragraph 5.1 does not include any definitive requirements, but refers to the contract or purchase order.

DoD USE ONLY	DEPARTMENT:	[X] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 40
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 14, paragraph 4.6.1.2.a (3): Suggest changing the phrase, "…temperature maintained at 260°C for 30 seconds…", to: "…temperature maintained at 260°C +/- 5°C until the solder melts and reflows forming a homgenous solder connection…..". Justification: 30 seconds will not always be the proper time for all solders: "…until the solder melts and reflows forming a homogeneous solder bond."

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 41
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 15, paragraph 4.6.5.c: Typographical error: "second s" should be "seconds".

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 42
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 16, paragraph 4.6.7: Suggest adding the following note to the end of the paragraph:" When required, coils shall be tested while mounted on a test substrate. Use the appropriate test fixture (see 3.1). Justification: Surface mount products are not designed for easy mount & dismount once the product has been soldered to a circuit board, test substrate, etc.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Paragraph 4.6.7 specifies mounting in normal means.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 43
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: Hytronics Corporation	[X] MFR [ ] USER [ ] IND ASSOC

Page 16, paragraph 4.6.7.1.1 Inductance measurement::

Page 17, paragraph 4.6.7.1.2 Effective inductance (inductance greater than 10 microhenries):

Page 17, paragraph 4.6.7.2 Q of coils:

Page 18, paragraph 4.6.7.3 Self-resonant frequency:

Page 18, paragraph 4.6.7.3.1 Alternate test method:

Page 19, paragraph 4.6.7.5 Percent coupling:

Page 19, paragraph 4.6.7.6 Incremental current inductance change (applicable to ferrite core material only):

Page 20, paragraph 4.6.7.7 Effective parallel resistance:

Note: All of the tests listed above reflect test equipment and test procedures that are totally outdated. The equipment specified within these paragraphs is obsolete and even replacement parts for that equipment are obsolete. Newer Agilent (or equivalent) equipment should be specified and simplified procedures rewritten to match those newer test methods. We are certain that other manufacturers would also be using the newer equipment.

Hytronics would be pleased to submit a list of the newer suggested equipment and procedures to match its usage. Or, Hytronics would be pleased to be part of a discussion/action group that would re-write the procedures to match current technology. It is likely that changes to the parent specification would need to trickle down to the piece part specification sheets also. In all fairness, the above really needs to be re-written. The present procedures are reflecting 1960's technology.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Paragraphs specify "or equivalent", consequently newer equipment can be used.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 44
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: Hytronics Corporation and API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 16, paragraph 4.6.7.1.1: Suggest changing from: " ….various ranges of inductance shall be as follows:" to: "….various ranges of inductance shall be as required in the individual specification sheets (see 3.1)". Justification: Several specification sheets (M83446/10B for example on –13) violate the Table's Test Frequency for the inductance range listed.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
      [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Per paragraph 2.4 Order of precedence, except for related specification sheets the text of this document takes precedence.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 45
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 16, paragraph 4.6.7.1.1: Suggest adding in Table: "µ" (Greek letter "mu") to the " H". Justification: Editorial

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
      [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 46
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 16, paragraph 4.6.7.1.1 In the last sentence of the second paragraph, suggest changing from: " …and inductance of the test circuit…." to: "….and inductance of the test fixture…..". Justification: Consistent use of terms.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
      [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Circuit is specified to indicate all components (jumper wires, fixture, etc.)

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 47
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 16, paragraph 4.6.7.1.1: Suggest changing formula to: $Lcf = 1/4\pi^2 F^2 C$ - Lbar. Suggest changing from "f = Frequency in hertz", to: F = frequency in MHz Justification: The formula is not consistent with the Table above the formula.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Change "f = Frequency in hertz" to "f = Frequency in mega hertz".

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 48
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 17, paragraph 4.6.7.1.1: Suggest a change to the formula listed on the top of the page from: "0.0002", to: "0.002". Justification: The formula is not correct as written.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 49
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 17, paragraph 4.6.7.1.1: In the equation that solves for "X", suggest changing Capital "P" to small "ρ" (Greek letter "rho"). Justification: Editorial

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 50
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 17, paragraph 4.6.7.1.2   Suggest adding in Table: "μ" (Greek letter "mu") to the " H". Justification: Editorial

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
        [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 51
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

   Page 17, paragraph 4.6.7.1.2: Suggest deleting "…for 250A" in the Table. Justification: Frequencies are applicable to all meters listed in 4.6.7.1.1, not only 250A. Meter # HP250A is not capable of measuring at frequencies below 0.500 MHz.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
        [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 52
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

   Page 17, paragraph 4.6.7.2: Suggest deleting HP250B Rx Meter or adding a note to only HP250B as follows: HP250B Rx Meter measures Rp, the Q should be calculated using: $Q = Rp (2\pi F) C$, where Rp is in ohms, F is in megahertz, and C is in microfarads. Justification: HP250B Rx Meter does not measure Q directly.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
        [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS In first sentence after "…meter" insert "along with any necessary calculations".

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 53
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC
Page 18, paragraph 4.6.7.3.1: Suggest changing second line from: "..in 4.6.7.3", to: "..in 4.6.7.1". Justification: Incorrect reference.		

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED
RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason) [ ] WITHDRAW [ ] MODIFY [ ] DISCUSS			
FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY			

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 54
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC
Page 19, paragraph 4.6.7.5: Suggest changing, in line three, from: "…(L_{TI})", to: "…(L_{T1})". Justification: Editorial		

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED
RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason) [ ] WITHDRAW [ ] MODIFY [ ] DISCUSS			
FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY			

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 55
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC
Page 19, paragraph 4.6.7.5: Suggest correcting typing of formula to: $M = (L_{T1} - L_{T2})/4$. Justification: Editorial		

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED
RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason) [ ] WITHDRAW [ ] MODIFY [ ] DISCUSS			
FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY			

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 56
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 19, paragraph 4.6.7.6: Suggest changing from: "..at 10Khz for inductance values between 10 and 100 microhenries,…", to: "…at 10 KHz for inductance values 100 microhenries and less….". Justification: M83446/11 has incremental current requirements for inductance values from 0.010 to 100 microhenries.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Detail provided due to difference in equipment utilized.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 57
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 19, paragraph 4.6.7.6: Suggest changing word in final paragraph on sheet 19, from: "chip", to: "coil". Justification: Consistent use of terminology.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Test addresses portion of unit being evaluated.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 58
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 20, paragraph 4.6.7.7: Suggest changing formula from: " $R_P = 159Q_1Q_2/f \times 10^{-6} C_1 (Q_1-Q_1)$ ", to: " $R_P = 159Q_1 Q_2/F (C_1) (Q_1-Q_2)$ " and from: " f = Frequency in hertz", to: " F = Frequency in megahertz". Justification: Formula incorrect as written

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS With the factor 10^{-6} in the equation, hertz are converted to mega hertz for calculation purposes.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 59
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 20, paragraph 4.6.9.e: In the first sentence, suggest changing the phrase, "Initial measurements shall be performed….", to: "Initial measurements on substrates shall be performed…" Also in the second sentence suggest changing from: "These initial measurements shall be used….", to: "These initial measurements on substrates shall be used to…". Justification: Surface mount products are not designed for easy mount/dismount once the product has been soldered to a circuit board, test substrate, etc.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
　　　[ ] WITHDRAW　　[ ] MODIFY　　[ ] DISCUSS Per paragraph 4.6.9b, units are to be mounted on a test substrate.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 60
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 20, paragraph 4.6.9.f: In the first sentence, suggest changing the phrase, "Final measurements shall be made….", to: "Final measurements on substrates shall be made…". Justification: Surface mount products are not designed for easy mount/dismount once the product has been soldered to a circuit board, test substrate, etc.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
　　　[ ] WITHDRAW　　[ ] MODIFY　　[ ] DISCUSS Per paragraph 4.6.9b, units are to be mounted on a test substrate.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 61
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 20, paragraph 4.6.9: Suggest adding sub-section "j. Unless otherwise specified (see 3.1), room temperature and tolerance shall be +25° C +/-5°C". Justification: Room temperature is not defined elsewhere.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 62
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 21, paragraph 4.6.10: Suggest changing from: " Both end terminations shall be immersed completely, all at a time.", to: "Both end terminations shall be immersed completely at the same time." Justification: Editorial

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 63
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 21, paragraph 4.6.12.1: Suggest a change in last sentence of the first paragraph from: "(T)" to: "(ΔT)".
Justification: Editorial

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
     [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 64
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 21, paragraph 4.6.12.1: Suggest changing from: " R = Resistance of inductors…." to: " R = Resistance of coils………". Justification: Editorial

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 65
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: DSCC	[ ] MFR [X] USER [ ] IND ASSOC

Page 21, paragraph 4.6.13 no tolerance or limit specified for the time of application of the overload.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [X] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Change "..shall be applied to the windings for 5 minutes." to "..shall be applied to the windings for 5 minutes minimum."

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 66
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 22, paragraph 4.6.16.b: Suggest changing entire subsection to: " "Mounting: For termination finish codes A through F, mounting shall be as specified in 4.6.1.2.a. For termination codes A, D, and E, mounting shall be as specified in 4.6.1.2.b when the termination area is on the top or side of the body of the chip coil". Justification: Chip coils whose termination area is on the bottom of the body of the chip coil are not designed to be electrically connected to a circuit board via thermo-compression bonding flying lead interconnections between the chip termination and the circuit board.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
    [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Proposal requires finishes A, D and F to be mounted as specified in 4.6.1.2a and 4.6.1.2b.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 67
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: Army CR and API Delevan	[ ] MFR [X] USER [ ] IND ASSOC

| Page 23, add paragraph "6.2.d Packaging requirements (see 5.1)." |

DoD USE ONLY	DEPARTMENT:	[X] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

| RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
        [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS |

| FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY |

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 68
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

| Page 23, paragraph 6.4: Suggest deleting references to: " bonding". Justification: Bonding not normally associated with soldering operations. |

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

| RECOMMENDED DISPOSITION OF COMMENT: [ ] ACCEPTANCE [X] NON-ACCEPTANCE (see reason)
        [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Bond test is included in requirements (see 4.6.16). |

| FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY |

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 69
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

| Page 23, paragraph 6.5 Suggest changing from: "equipments", to: " equipment". Justification: Editorial |

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

| RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
        [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS |

| FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY |

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 70
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: Army CR	[ ] MFR [X] USER [ ] IND ASSOC

Page 23 paragraphs 6.5, 6.6 and 6.6.2, delete "shall" per paragraph 4.6.6.h of MIL-STD-961E. If any of these items must be requirements, they must be moved to section 3 or 4.

DoD USE ONLY	DEPARTMENT:	[X] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
   [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS Change from "…shall…" to "…should…" in the three paragraphs above.

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 71
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 23, paragraph 6.6 Suggest changing from: "MIL-C-83446", to: "MIL-PRF-83446". Justification: Editorial

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
   [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 72
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 24, paragraph 6.8: Suggest changing reference paragraph from: " (3.3.1)", to: "(3.3.2)". Justification: Wrong reference

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
   [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 73
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 24, paragraph 6.9: Suggest changing reference paragraph from: " (3.3.3)", to: "(3.3.4)". Justification: Wrong reference.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
         [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 74
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 24, paragraph 6.10: Suggest changing from: "Table IV", to: "Table VII". Also change table number in paragraph. Justification: Table IV is already listed on page 12.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
         [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 75
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 24, paragraph 6.11: Typographic error: Suggest inserting a space (indent) between "6.11" and "Changes".
Justification: Editorial

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
         [ ] WITHDRAW   [ ] MODIFY   [ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 76
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: Army CR	[ ] MFR [X] USER [ ] IND ASSOC

Page 25, add the following to the scope of the appendix per paragraph 5.13.8 of MIL-STD-961E: "This Appendix is a mandatory part of the specification. The information contained herein is intended for compliance."

DoD USE ONLY	DEPARTMENT:	[X] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[X] ESSENTIAL [ ] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
　　　[ ] WITHDRAW　　[ ] MODIFY　　[ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 77
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 25, paragraph A.2.1.3: Suggest changing from: " …with A2.1.1 or A2.1.2….", to: "….with A.2.1.1 or A.2.1.2…". Justification: Editorial

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
　　　[ ] WITHDRAW　　[ ] MODIFY　　[ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY

PROJECT NUMBER 5950-1178	**COMPILATION OF COMMENTS**	COMMENT NUMBER 78
DOCUMENT MIL-PRF-83446C	COMMENTER IND NAME OR CODE: API Delevan	[X] MFR [ ] USER [ ] IND ASSOC

Page 25, paragraph A.3.: Suggest changing from: " Termination E will qualify termination B, D" to: " Termination E will qualify termination D". Justification: Termination B is not similar to terminations E and D.

DoD USE ONLY	DEPARTMENT:	[ ] A [ ] N [ ] AF [ ] DLA [ ] NSA [ ] CNDN [ ] NASA	[ ] ESSENTIAL [X] SUGGESTED

RECOMMENDED DISPOSITION OF COMMENT: [X] ACCEPTANCE [ ] NON-ACCEPTANCE (see reason)
　　　[ ] WITHDRAW　　[ ] MODIFY　　[ ] DISCUSS

FINAL DISPOSITION OF COMMENT: [ ] ACCEPTANCE [ ] NON-ACCEPTANCE [ ] WITHDRAW [ ] MODIFY